

CONFIDENTIAL

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PRELIMINARY

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DISK FILE MANAGER DESCRIPTION

book 6 of 10 pages

1. Introduction

2. FMS Features

- Named file + extension, multiple file access, sequential/random access, filename wildcarding

3. FMS Command Overview

- OPEN, READ TYPE, WRITE TYPE, CLOSE, RENAME, DELETE, FORMAT, GET STATUS, LOCK, UNLOCK, POINT, NOTE (List directory; append options)

4. FMS Command Descriptions

5. FMS Disk Structure

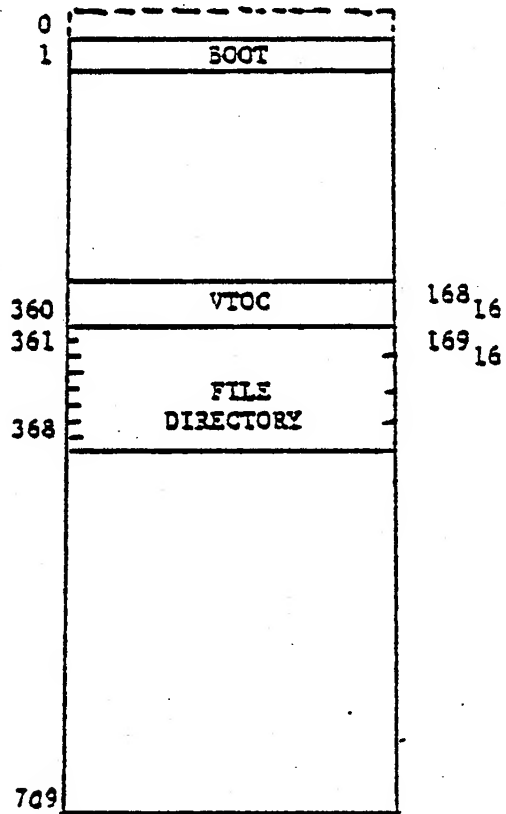
Disk layout, boot record, VTOC, file directory, sector format, record format, FCB format

6. FMS RAM usage

Communication

5. FMS DISK STRUCTURE

5.1 Disk Layout



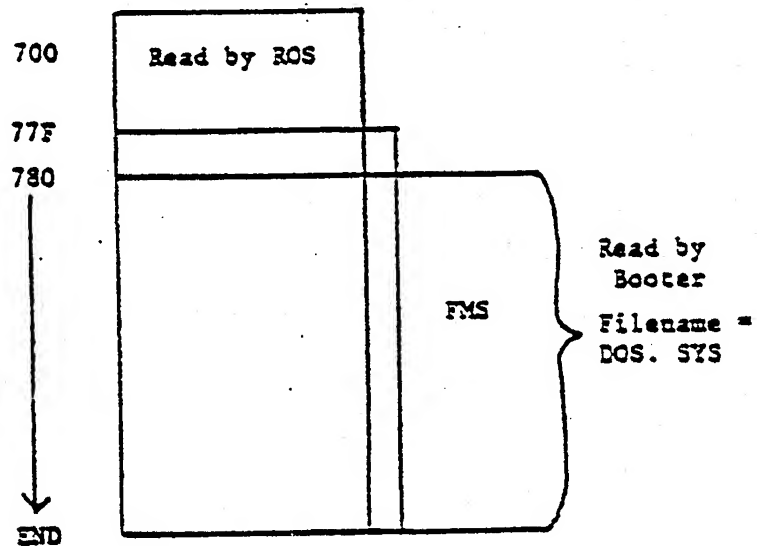
5.2 Boot Record Format

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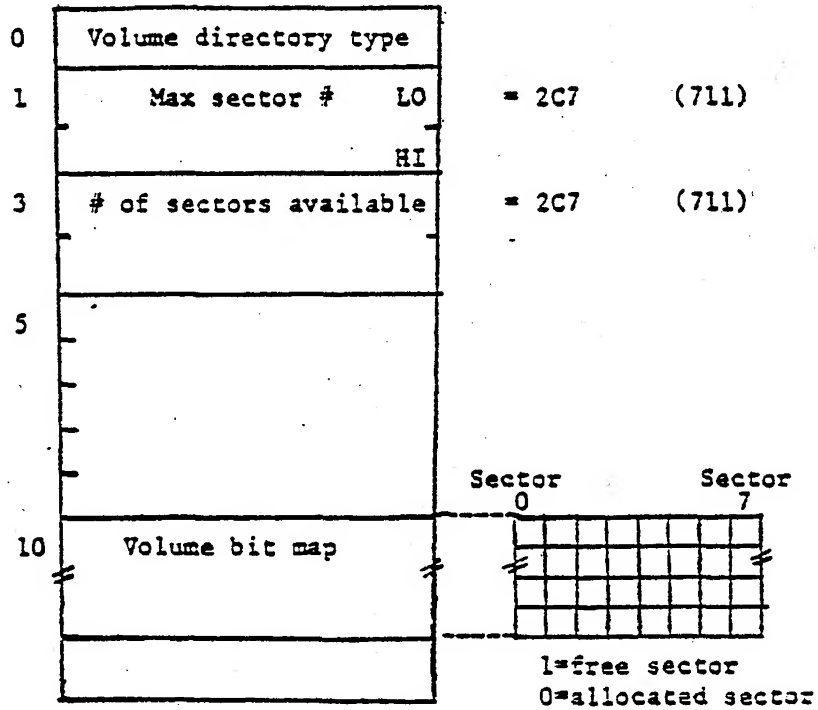
BOOT FLAG
of sectors to read (=1)
Boot image
<u>Start</u> address
Init address
JMP
Boot read continue
Address
Max OPEN files (=3)
Disk drives (=1)
Storage alloc. direction switch (=0)
Boot image
<u>End</u> address +1
≠0 if DOS file exists on volume
DOS file start
Sector #
Code for second stage of boot (boots to EOF)

↑
Booter's
Use
↓

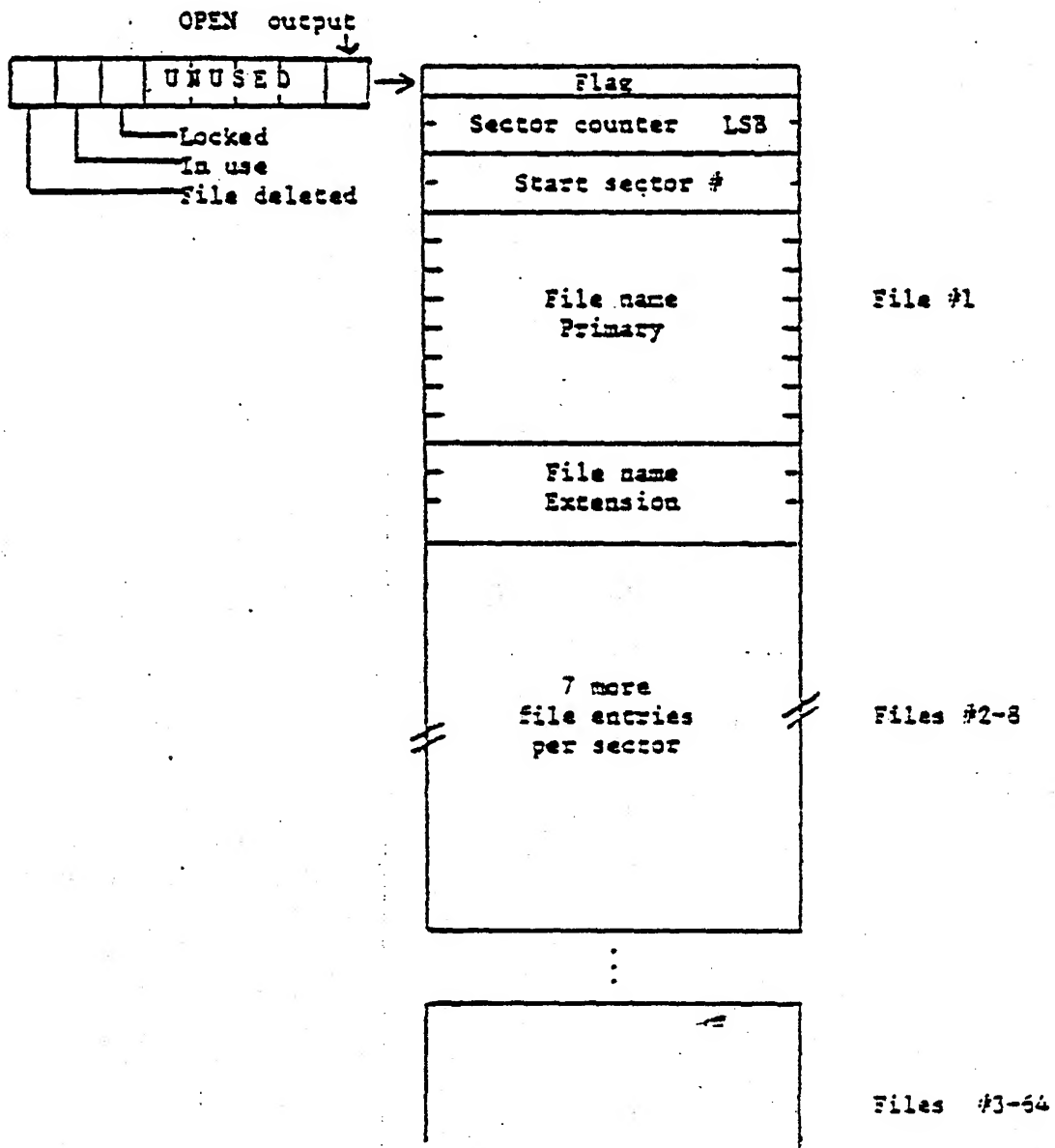
5.2.1 FMS Memory Map



5.3 VTOC



5.4 File Directory



FMS ERROR STATUSES

A0 = Drive # error
A1 = No sector buffer avail (too many open files)
A2 = Medium full
A3 = Fatal system data I/O error
A4 = File # mismatch?
A5 = File name error
A6 = Point data length?
A7 = File locked
A8 = Dev. command invalid?
A9 = Directory full (G4 files)
AA = File not found
AB = Point invalid?

DESCRIBE DEVICE DEPENDENT I/O USING VECTORS

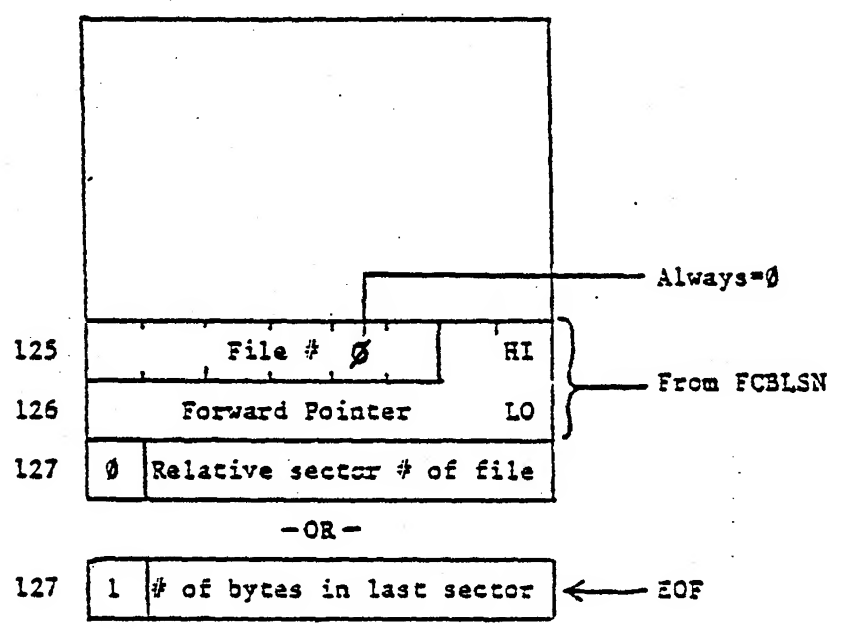
CASSETTE MANAGER DESCRIPTION

Prompting

Recording Formats

Features

5.5 Sector Format



5.7 File Control Block Format